Title (en)

SYSTEM AND METHOD FOR USING DOMAIN NAMES TO ROUTE DATA SENT TO A DESTINATION ON A NETWORK

Title (de)

SYSTEM UND VERFAHREN ZUR VERWENDUNG VON DOMÄNNAMEN ZUR LENKUNG VON ZU EINEM NETZWERKZIEL GESENDETEN DATEN

Title (fr)

SYSTEME ET PROCEDE D'UTILISATION DE NOMS DE DOMAINE POUR ACHEMINER DES DONNEES ENVOYEES VERS UNE DESTINATION DANS UN RESEAU

Publication

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Application

EP 99903457 A 19990127

Priority

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• US 1584098 A 19980129

Abstract (en)

[origin: WO9939481A1] The present invention provides for a Domain Name Router (DNR) that uses domain names to route data sent to a destination on a network or a stub network. Each corporate entity or stub network can be assigned one or a small number of global addresses. Each of the hosts on the stub network can be assigned a local address. When a source entity (502) sends data to a destination entity with a local address, the data is sent to the DNR using a global address. The source entity embeds the destination's domain name and its own domain name inside the data. The DNR (504) extracts the destination's domain name from the data (506), translates that domain name to a local address (508) and sends the data to the destination.

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IPC 8 full level

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CPC (source: EP KR US)

H04L 9/40 (2022.05 - US); **H04L 12/66** (2013.01 - KR); **H04L 61/4511** (2022.05 - EP US); **H04L 69/161** (2013.01 - EP US); **H04L 69/16** (2013.01 - EP US)

Citation (search report)

• [X] EP 0817444 A2 19980107 - SUN MICROSYSTEMS INC [US]
• See references of WO 9939481A1

Cited by

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WO 9939481 A1 19990805; AT E501574 T1 20110315; AU 2347099 A 19990816; CN 1118167 C 20030813; CN 1289494 A 20010328; DE 69943263 D1 20110421; EP 1057309 A1 20001206; EP 1057309 A4 20041208; EP 1057309 B1 20110309; JP 2002502188 A 20020122; JP 4130962 B2 20080813; KR 100695924 B1 20070320; KR 20010040449 A 20010515; US 2002184390 A1 20021205; US 6119171 A 20000912; US 6430623 B1 20020806; US 6772227 B2 20040803

DOCDB simple family (application)

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